



**2018 DSHS Arbovirus Activity Report  
Week #45 (ending November 10, 2018)  
Report Date: November 13, 2018**

**Table 1. 2018 Arbovirus Activity Summary, Texas, Weeks 1-45**

Arbovirus	Positive Mosquito Pools	Avian	Equine	Sentinel Chicken	Human						TOTAL
					Febrile Illness	Neurologic Illness	Severe Dengue	TOTAL (HUMAN)	Deaths	PVD <sup>2</sup>	
California Serogroup <sup>1</sup>						1		1			1
Chikungunya					7			7			7
Dengue					9			9			9
Eastern Equine Encephalitis								0			0
St. Louis Encephalitis	2							0			2
West Nile	1009	6	16		28	81		109	2	23	1140
Zika <sup>3</sup>								3			3
<b>TOTAL REPORTS</b>	<b>1011</b>	<b>6</b>	<b>16</b>	<b>0</b>	<b>44</b>	<b>82</b>	<b>0</b>	<b>129</b>	<b>2</b>	<b>23</b>	<b>1162</b>

<sup>1</sup>California Serogroup includes California encephalitis, Jamestown Canyon, Keystone, La Crosse, snowshoe hare, and trivittatus viruses.

<sup>2</sup>PVD - Presumptive viremic blood donors are people who had no symptoms at the time of donating blood through a blood collection agency, but whose blood tested positive when screened for the presence of West Nile virus or Zika virus. Unless they meet the case reporting criteria, they are not counted as a case for official reporting purposes and are not included in the "Total" column.

<sup>3</sup>Zika disease cases

**Table 2. 2018 Aedes-Associated Arbovirus Activity by County, Weeks 1-45**

County	CHIKV*		DENV*		ZIKV*			COUNTY TOTAL
	M	H	M	H	M	H	PVD‡	
Bell		1						1
Bexar				2				2
Cameron				1				1
Collin		1				1		2
Dallas		2		1				3
Fort Bend		1		1				2
Harris				3				3
Montgomery		1						1
Travis		1						1
Williamson				1		2		3
Total Number of Reports	0	7	0	9	0	3	0	19

M - mosquito H- human

CHIKV - Chikungunya Virus

DENV - Dengue Virus

ZIKV - Zika Virus

\* All reported cases are imported.

‡PVDs are not included in the "County Total" column.

**Table 3. 2018 Other Arbovirus Activity by County, Weeks 1-45**

County	CAL*		EEEV				SLEV			WNV								COUNTY TOTAL
	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
														WNF	WNND	PVD#	TOTAL	
Angelina														1			1	1
Bailey															1		1	1
Bell		1								5							0	6
Bexar										2							0	2
Brazos										1				1	1		2	3
Briscoe														1			1	1
Cameron										7							0	7
Carson															1		1	1
Castro															1		1	1
Collin										23				2	2		4	27
Cooke										1		1					0	2
Dallas										200		1		2	11		13	214
Deaf Smith												1					0	1
Denton										21		1			2		2	24
El Paso							2			20				3	3	1	6	28
Fort Bend										3					2		2	5
Galveston															1		1	1
Grayson										2							0	2
Gregg															2		2	2
Guadalupe														1			1	1
Hansford												1					0	1
Harris										310	6	1		4	20	13	24	341
Hidalgo												1		1	1	2	2	3
Hunt															1		1	1
Jefferson										8							0	8
Johnson										5							0	5
Jones												2					0	2
Lavaca												1					0	1
Lubbock										5				1	3		4	9
Mason												1					0	1
Midland																1	0	0
Montague												1					0	1

**Table 3 (continued)**

County	CAL*		EEEV				SLEV			WNV								COUNTY TOTAL
	M	H	M	E	SC	H	M	SC	H	M	A	E	SC	H				
														WNF	WNND	PVD‡	TOTAL	
Montgomery										101				3	7	2	10	111
Nueces										1							0	1
Orange										3					1		1	4
Potter										1						2	0	1
Randall												1		1		1	1	2
Roberts															1		1	1
Rockwall										1							0	1
Smith														1	2		3	3
Tarrant										269		1		5	11		16	286
Taylor												1					0	1
Tom Green															1		1	1
Travis										8				1	3		4	12
Walker															1		1	1
Webb															1		1	1
Wharton															1	1	1	1
Wichita										1		1					0	2
Williamson										11							0	11
Total Number of Reports	0	1	0	0	0	0	2	0	0	1009	6	16	0	28	81	23	109	1143

M - mosquito A-avian E-equine SC- sentinel chicken H- human WNF - West Nile Fever WNND - West Nile Neuroinvasive Disease

CAL - California Serogroup Viruses

EEEV - Eastern Equine Encephalitis Virus

SLEV - St. Louis Encephalitis Virus

WNV - West Nile Virus

\*Imported case of La Crosse

‡PVDs are not included in any of the "Total" columns.

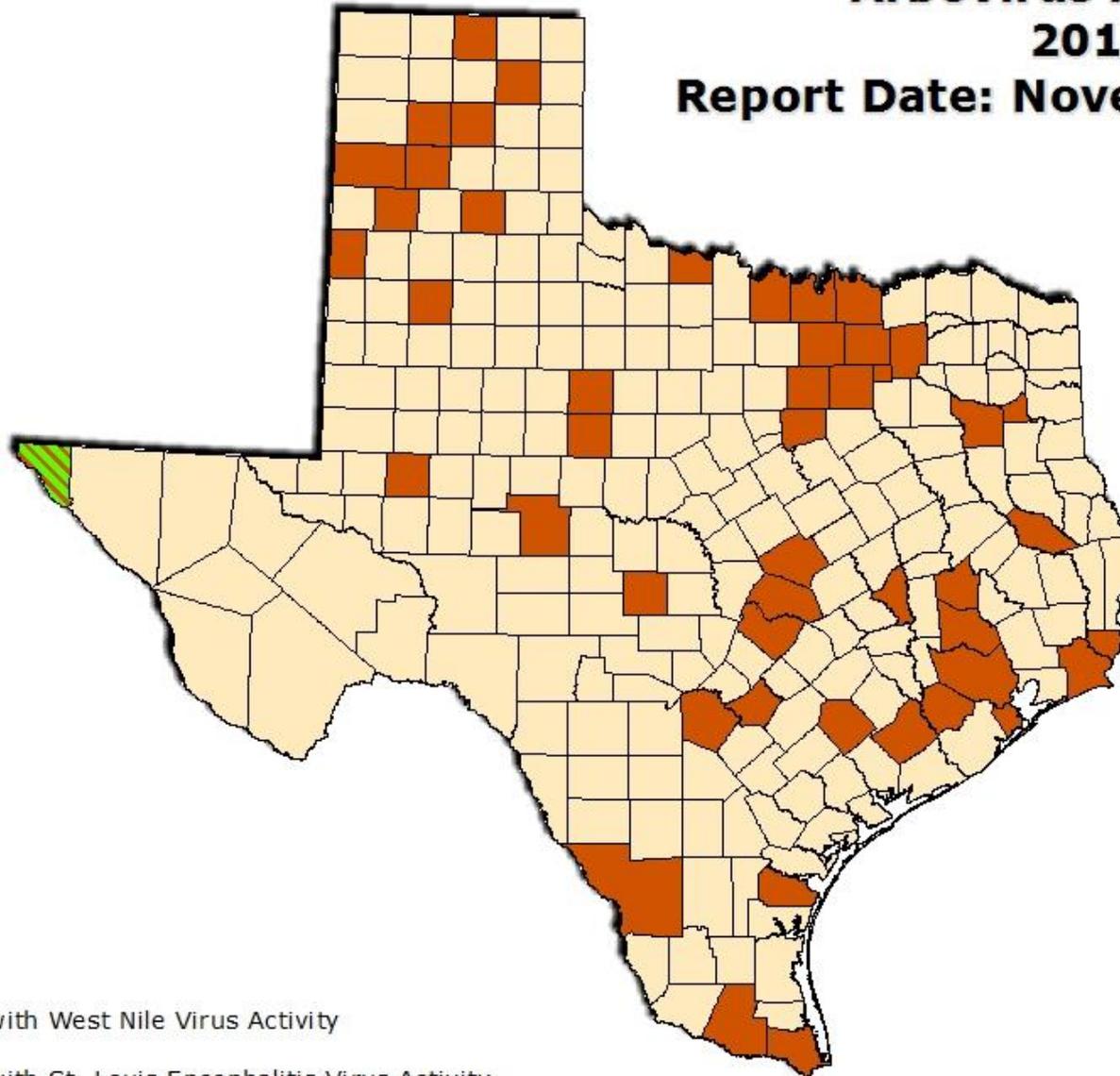
Figure 1. Texas Counties Reporting Arbovirus Activity, Week 1-45



TEXAS  
Health and Human  
Services

Texas Department of State  
Health Services

## Arbovirus Activity\* 2018 Report Date: November 13, 2018



County with West Nile Virus Activity



County with St. Louis Encephalitis Virus Activity

\*Indicated by an arbovirus-positive bird, mosquito pool, sentinel chicken, horse, human or presumptive viremic donor (excludes imported cases of chikungunya, dengue, Zika, and other arboviruses)



0 30 60 120 180 240 300 Miles

Figure 2. Epidemiologic Curve of Mosquito WNV Activity, 2016-2018

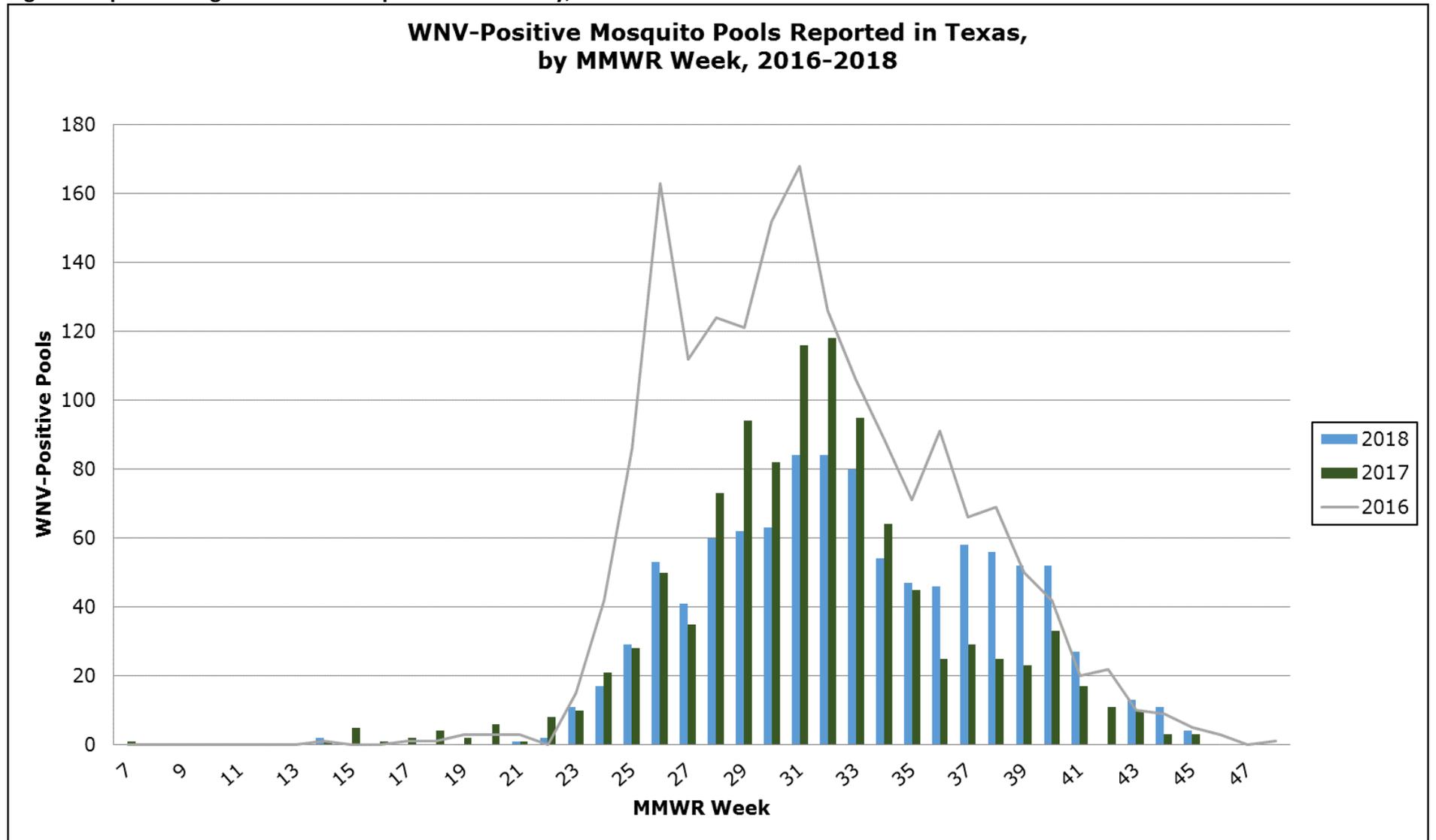


Figure 3. Epidemiologic Curve of Human WNV Activity, 2016-2018

